

Title (en)

Fixing means for a heat exchanger, especially for a radiator of vehicles

Title (de)

Befestigungsanordnung eines Wärmeübertragers insbesondere eines Kühlers für Kraftfahrzeuge

Title (fr)

Element de fixation d'un échangeur de chaleur, en particulier pour un radiateur de véhicules

Publication

EP 1717538 A3 20081203 (DE)

Application

EP 06007870 A 20060413

Priority

DE 102005019674 A 20050426

Abstract (en)

[origin: EP1717538A2] A heat transfer agent (1) includes a block of pipes and ribs as well as a collector box (1c). Part of the heat transfer agent is secured to a framework having a tie bar (2g) with a square profile (4). The collector box is held by the square profile and an adjustable catch (3) connected to the tie bar.

IPC 8 full level

F28F 9/00 (2006.01); **B60K 11/04** (2006.01)

CPC (source: EP)

F28F 9/002 (2013.01); **B60K 11/04** (2013.01); **B62D 27/06** (2013.01); **F28F 2275/085** (2013.01); **F28F 2275/16** (2013.01)

Citation (search report)

- [X] EP 0331540 A1 19890906 - PEUGEOT [FR], et al
- [X] GB 2262600 A 19930623 - BEHR GMBH & CO [DE]
- [A] US 2003230397 A1 20031218 - SOUTHWICK DAVID A [US], et al

Cited by

FR3005001A1; ITTO20100833A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1717538 A2 20061102; EP 1717538 A3 20081203; EP 1717538 B1 20160615; DE 102005019674 A1 20061214

DOCDB simple family (application)

EP 06007870 A 20060413; DE 102005019674 A 20050426